NC/QC/YPD/W3-01/2018-19/AL-CB5A

Date: 24-04-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-03-18	24-04-18	28	22500	505	22.44	**22.81**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	525	23.33	

AE

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
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Newzen Consultants Bangalore

NC/QC/YPD/W3-01/2018-19/AL-CB6A

Date: 25-04-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-03-18	25-04-18	28	22500	510	22.67	**23.11**
	002	"	"	"	"	530	23.56	
	003	"	"	"	"	520	23.11	

AE

For Newzen Consultants Bangalore

Proprietor

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EMAIL:newzen576@gmail.com

NC/QC/YPD/W3-01/2018-19/AL-CB7A

Date: 27-04-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-03-18	27-04-18	28	22500	515	22.89	**22.89**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	520	23.11	

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For Newzen Consultants Bangalore
Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/W3-01/2018-19/AL-G1 Date: 04-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.
{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

Asst. Executive Engineer, Project Division, Yelahanka Zone, Bangalore

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
26.50	**98.33**	70-100
9.50	**76.45**	50-80
4.75	**54.66**	40-65
2.36	**36.25**	30-50
0.425	**13.15**	10-15
0.075	**4.11**	<5

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For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore

Date: 04-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.49 %**	Not more than 2.0 %
2.	Liquid Limit, %	**17.86**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**7.34**	----------
5.	Aggregate Impact Value, %	**24.23**	Not more than 40.00 %

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Newzen Consultants Bangalore

NC/QC/YPD/W3-01/2018-19/AL-C4 Date: 09-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Bangalore

PHYSICAL TESTS ON CEMENT

Brand : JAYPEE
Grade * : 53,
Type : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**167 min**	Shall not be less than 30 min
2	Final setting time	**273 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.64 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**3.25 mm**	Shall not be more than 10 mm
5	Compressive strength d) 3 days (average of three results)	**29.36 N/Sq mm**	Shall not be less than 27 N/Sqmm

AE

For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/W3-01/2018-19/AL-PCC4 **Date: 09-04-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.15	0 -20	30- 70
10mm	18.32	0 -5	10- 35
4.75mm	3.90	------	0- 5

Assistant Executive Engineer, Project Division, Yelahanka Zone, Bangalore

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.45	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.15	60-95	75-100	85-100	
01.18	68.33	30-70	55-90	75-100	
600.mic	46.15	15-34	35-59	60-79	
300.mic	17.22	5-20	8-30	12-40	
150.mic	6.15	0-10	0-10	0-10	

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For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/W3-01/2018-19/AL-C5

Date: 13-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Bangalore

PHYSICAL TESTS ON CEMENT

Brand : JAYPEE
Grade : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**168 min**	Shall not be less than 30 min
2	Final setting time	**274 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.93 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**3.09 mm**	Shall not be more than 10 mm
5	Compressive strength e) 3 days (average of three results)	**27.65 N/Sq mm**	Shall not be less than 27 N/Sqmm

AE

For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/W3-01/2018-19/AL-PCC5

Date: 13-04-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.55	0 -20	30- 70
10mm	18.90	0 -5	10- 35
4.75mm	3.72	------	0- 5

Asst. Executive Engineer Project Division Yelahanka Zone Bangalore

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.33	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	85.67	60-95	75-100	85-100	
01.18	68.22	30-70	55-90	75-100	
600.mic	47.35	15-34	35-59	60-79	
300.mic	17.41	5-20	8-30	12-40	
150.mic	5.65	0-10	0-10	0-10	

AE

For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/W3-01/2018-19/AL-C6 Date: 18-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Providing cement concrete roads to 1st A main 2nd Main and cross roads at Attur Layout in Ward No.03.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Mr. Achutha Murthy K, Bangalore.

Asst. Executive Engineer Project Division Yelahanka Zone Bangalore

PHYSICAL TESTS ON CEMENT

Brand : JAYPEE
Grade : 53,
Type* : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**169 min**	Shall not be less than 30 min
2	Final setting time	**271 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.65 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**3.45 mm**	Shall not be more than 10 mm
5	Compressive strength f) 3 days (average of three results)	**29.76 N/Sq mm**	Shall not be less than 27 N/Sqmm

AE

For Newzen Consultants Bangalore

Proprietor

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